

Product datasheet

Recombinant Human MMP3 protein ab151945

Description

Product name	Recombinant Human MMP3 protein	
Purity	<p>> 95 % SDS-PAGE.</p> <p>ab151945 has purity greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. 0.2 µM filtered.</p>	
Endotoxin level	< 1.000 Eu/µg	
Expression system	HEK 293 cells	
Accession	P08254	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<pre> YPLDGAARGEDTSMNLVQKYLENYDLEKDVKQFVRRKD SGPVVKKIREM QKFLGLEVTGKLDSDTLEVMRKPRCGVPDVGHFRTFPGI PKWRKTHLTYR MNYTPDLPKDAVDSAVEKALKVWEEVPLTFSRLYEGEA DIMISFAVRE HGDFYPFDGPGNVLAHAYAPGPGINGDAHFDDEQWTK DTTGTNLFLVAA HEIGHSLGLFHSANTEALMYPLYHSLTDLTRFRLSQDDINGI QSLYGPPP DSPETPLVPTEPVPPEPGTPANCDPALSFDAVSTLRGEILI FKDRHFWRK SLRKLEPELHLISSFWPSLPSGVDAAYEVTSKDLVFIFKGN QFWAIRGNE VRAGYPRGIHTLGFPTVRKIDAAISDKEKNKTYFFVEDKY WRFDEKRNS MEPGFQKQIAEDFPGIDSKIDAVFEEFGFFYFFTSSQLEF DPNAKKVTH TLKSNSWLNCVDHHHHHHH </pre>	
Predicted molecular weight	52 kDa including tags	
Amino acids	18 to 477	
Tags	His tag C-Terminus	

Specifications

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Our [Abpromise guarantee](#) covers the use of **ab151945** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.05% Brij, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.88% Sodium chloride
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General Info

Function	Can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates procollagenase.
Sequence similarities	Belongs to the peptidase M10A family. Contains 4 hemopexin-like domains.
Domain	The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.
Cellular localization	Secreted > extracellular space > extracellular matrix.

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